

Supplementary Materials

Unveiling the potential of corncob biochar: Analysis of microstructure and composition with emphasis on interaction with NO₂

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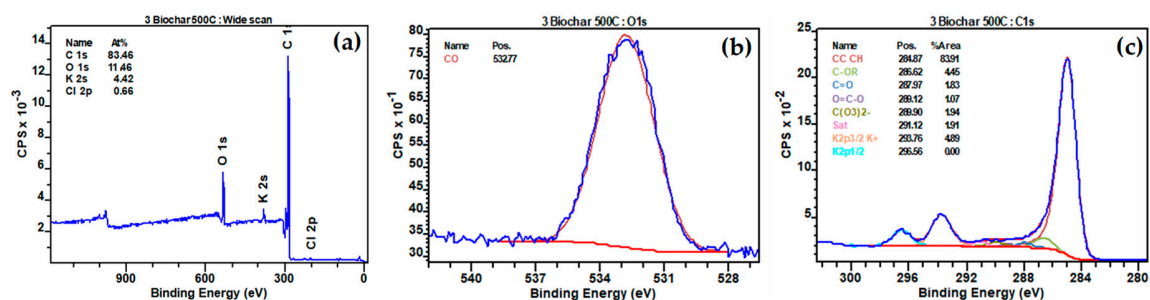


Figure S1. (a) Full range XPS spectra of biochar prepared at 500°C before interaction with N₂; (b) high-resolution fitted XPS O1s; (c) high-resolution fitted XPS C1s.

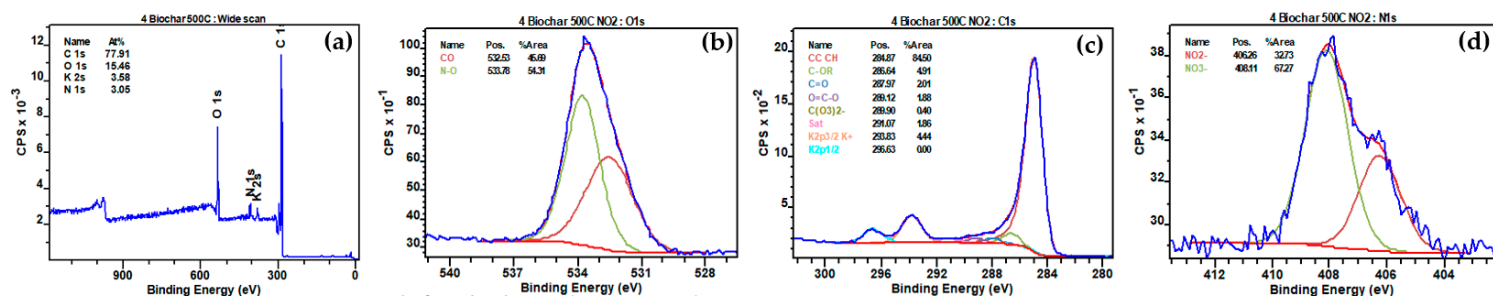


Figure S2. (a) Full range XPS spectra of biochar prepared at 500°C after interaction with NO₂; (b) high-resolution fitted XPS O1s; (c) high-resolution fitted XPS C1s; (d) high-resolution fitted XPS N1s.

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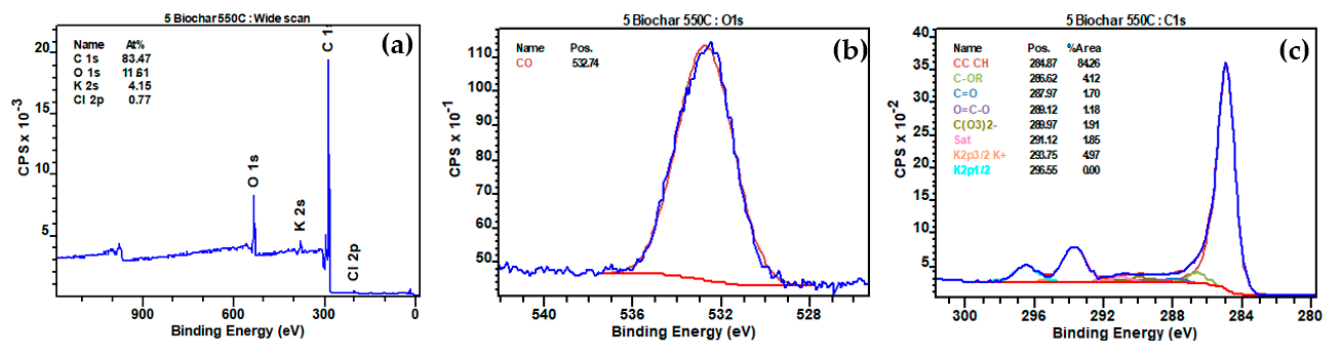


Figure S3. (a) Full range XPS spectra of biochar prepared at 550°C before interaction with N₂; (b) high-resolution fitted XPS O1s; (c) high-resolution fitted XPS C1s.

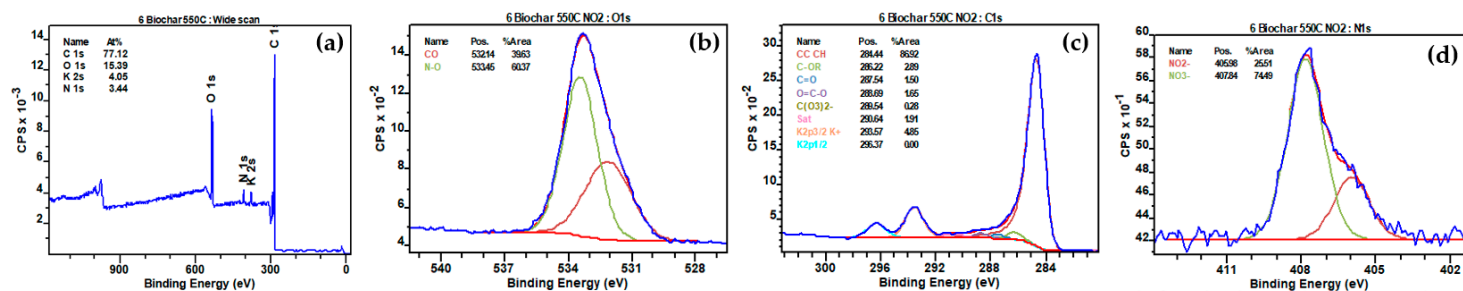


Figure S4. (a) Full range XPS spectra of biochar prepared at 550°C after interaction with N₂; (b) high-resolution fitted XPS O1s; (c) high-resolution fitted XPS C1s; (d) high-resolution fitted XPS N1s.